PHP Numbers

Php Numbers

One thing to notice about php is that it provide data type conversion.

So, if you assign a interger value to a variable, then data type of a variables will automatically can be Integer. Then, if you assign a string to the same variables, the data type will change to a string.

This Conversion sometime break your code.

Note:- Anothe Important thing that you know is that if $4 * 2.5$ is 10, the result is stored as float, because one of the operand is a float (2.5).

Example:-
Continus Code as in class.

php is the following function to check if the type of variable is integer.

- is_int ()
- is_integer () - alias of is-int().
- is_long () - alias of is-int().

```php
<?php
$x = 84561
var_dump(is_int($x));
?>
```

php floats :-

A float is a number with a decimal point or a number in exponential from.

- php has a function to check if the type of variables is float.

- is_float()
- is_double() - alies of is_float().

Example :-

```php
<?php
$x = 10.365;
var_dump(is_float($x));
?>
```

PHP Infinity

A numeric value that is larger than php_float_MAX is considered float.

php has a following function to check if a
numeric value is infinite or finite.

- is-infinite ()
- is-finite ()

Example:

```php
<?php
$x = 1.9e411;
var_dump ($x);
?>
```

Php NAN

NAN stand for Not a number.

NAN is a impossible mathematical operation.
- is_nan()

However, the php var_dump() function returns
the data type value.

```php
<?php
$x = acos(8);
var_dump ($x);
?>
```